



## AMENDMENT

Unmarked Version

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### In the Claims:

Presented below is a clean, unmarked version of all pending claims.

1. An adapter for connecting an infrared data port to a radio frequency data system, comprising:  
  
an infrared transceiver for sending and receiving information to and from  
the infrared data port;  
  
a radio frequency transceiver for sending and receiving information to and  
from the radio frequency data system; and  
  
a processor in communication with the infrared transceiver and the radio  
frequency transceiver for converting information received from the  
infrared transceiver to a radio frequency format for transfer to the  
radio frequency data system and for converting information  
received from the radio frequency transceiver to an infrared format  
for transfer to the infrared data port.
2. The adapter of claim 1, further comprising a buffer for temporary  
information storage.

3. The adapter of claim 1, further comprising a power supply in communication with the processor.
4. The adapter of claim 1, wherein the infrared transceiver includes a driver circuit for sending information to the infrared data port.
5. The adapter of claim 1, wherein the infrared transceiver includes a receiving circuit for receiving information from the infrared data port.
6. The adapter of claim 1, further comprising a housing.
7. A system for wirelessly connecting a computing device to a network, comprising:  
  
a computing device;  
  
an infrared data port connected to the computing device, the infrared port configured to send and receive information to a radio frequency data system, the radio frequency data system in communication with the network and configured to send and receive information;  
  
and  
  
an adapter configured to transfer information between the infrared data port and the radio frequency data system, the adapter including:  
  
an infrared transceiver for sending and receiving information to and from the infrared data port;

a radio frequency transceiver for sending and receiving information to and from the radio frequency data system; and

a microprocessor in communication with the infrared transceiver and the radio frequency transceiver for converting information received from the infrared transceiver to a radio frequency format for transfer to the radio frequency data system and for converting information received from the radio frequency transceiver to an infrared format for transfer to the infrared data port.

8. The system of claim 7, wherein the computing device is a portable computer.
9. The system of claim 7, wherein the adapter physically connects to the computing device.
10. The system of claim 7, wherein the adapter is a stand-alone unit that communicates with the computing device over an infrared communication link.
11. The system of claim 7, wherein the adapter further comprises a buffer providing temporary information storage.
12. The system of claim 7, wherein the adapter further comprises a power supply in communication with the microprocessor.
13. The system of claim 7, wherein the infrared transceiver includes a driver circuit for sending information to the infrared data port.

14. The system of claim 7, wherein the infrared transceiver includes a receiving circuit for receiving information from the infrared data port.
15. An adapter for connecting a plurality of computing devices having infrared data ports to a radio frequency data system, comprising:
- a plurality of infrared transceivers for sending and receiving information to and from the infrared data ports;
- a radio frequency transceiver for sending and receiving information to and from the radio frequency data system; and
- processing means in communication with the plurality of infrared transceivers and the radio frequency transceiver for converting information received from the plurality of infrared transceivers to a radio frequency format for transfer to the radio frequency data system and for converting information received from the radio frequency transceiver to an infrared format for transfer to at least one of the infrared data ports.
16. A method for wirelessly connecting a computing device to a network, comprising:
- receiving information over an infrared communication link from a remote computing device;
- converting the information from an infrared format to a radio frequency format; and

communicating the information to the network over a radio frequency link.

17. A method for wirelessly connecting a computing device to a network, comprising:

receiving information over a radio frequency communication link from the network;

converting the information from a radio frequency format to an infrared signal; and

communicating the information to the computing device over an infrared communication link.

18. The method of claim 17, wherein the radio frequency format conforms to Bluetooth protocol.
19. The method of claim 16, wherein the radio frequency format conforms to Bluetooth protocol.
20. The adaptor of claim 15, wherein the radio frequency data system comprises Bluetooth.
21. The adaptor of claim 15, wherein the adapter further comprises a buffer to provide temporary information storage.

**Please add the following new claims:**

22.

A system comprising:

a notebook computer having an infrared data port,

an IR (infrared) to RF (radio frequency) adapter communicatively coupled to the infrared data port, the adapter having:

an infrared transceiver for sending and receiving information to and from the infrared data port;

a radio frequency transceiver for sending and receiving information to and from the radio frequency data system; and

a processor in communication with the infrared transceiver and the radio frequency transceiver for converting information received from the infrared transceiver to a radio frequency format for transfer to the radio frequency data system and for converting information received from the radio frequency transceiver to an infrared format for transfer to the infrared data port; and

an RF data system communicatively coupled to the IR to RF adapter to receive RF signals from the IR to RF adapter, and to transmit the RF signals to a network.

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23. The system of claim 22, wherein the RF data system comprises a Bluetooth system.
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